Bulletin of the Agricultural Chemical Society of Japan.

Vol. 18.
(Nos. 208 - 219)
1 9 4 2

The Agricultural Chemical Society of Japan.

c/o Faculty of Agriculture, Tokyo Imperial University.

Digitized by the Internet Archive in 2024

Contents

		I.	Transaction	s.		
						PAGE
Hidejiro Nish	IKAWA:	Biochemistry	y of Filamentou	us Fungi. V	II. Myce	lial
Constitue	ents of Oc	ospora sulph	urea-ochracea.	Part IV.	On the Co	on-
stitution	of Osoic	Acid and its	s Derivatives.			13

II. Abstracts from Transactions published in Japanese.

Page	Über die Alkalität der Asche von Sasa (Sasa	
	paniculata MAKINO et SHIBATA) (Eiji	
Chemical Studies on Shark Meat (IV), Studies	TAKAHASHI, Nobuo Ito, und Ryozo	
on the Isoelectric Behavior and Absorption	KAKUWA).	5
Spectrum of Shark Meat Protein, (Kinsuke	Studies on Bios. Part V. Characters of	
KONDO and Tadao HATA) 1		
Chemical Studies on Shark Meat (V). Studies	Varieties of Saccharomyces cerevisiae on	
on the Absorption Spectrum of Shark Meat	the known Ingredients of Bios. (Nobusada	
Protein. (Hisateru MITSUTA) 1	Окотт)	6
Untersuchungen über das sogenannte "Glu-	Blätteralkohol, V. Mitteilung, Zur Kenntnis	
conobacter." V. Mitteilung. (Teijiro UYE-	der katalytischen Hydrierung von dreifacher	
MURA and Keiji Kondô) 1	Bindung zu Doppelbindung. (Sankiti TAKEI	
Study of the Insecticidal Principle in the	und Minoru ONO)	7
Smoke Produced by Combusting Insect	Über die Bestandteile der Japanischen Mistel.	
Powder. (Part VII). (Makoto NAGASE) 2	V. Mitteilung, Harz- und Fettsäure im	
Digestibility of Acorns Fed to Poultry and	Wachs. (Yatarô OBATA)	8
Rats. (Hisayoshi IWATA and Ryosuke	Über die Soyabolmeneiweißstoffe. II. Mittei-	
Kikuchi) 2	lung. Veränderung der Gehaltsverhältnisse	
A Method for the Determination of Sulfhyd-		
ryl-Radical in Protein. (Shigeki MORI) 2	von Eiweissarten durch die verschiedene	
	Behandlung der Bohnen. (Kunihiko SUMI-	0
Untersuchungen über die Peptonisierung des	NOKURA).	9
Sojabohneneiweißes (I). Der Einfluß des	Studien über die Fixierung des Sericin. I.	
Dispersionszustandes des Substrates auf die	Mitteilung. (Z. HIROSE).	9
Pepsinverdauung des Sojabohneneiweißes,	The Dehydration of 2, 3-Butylenglycol. (K.	
(Masain Hunazu)	OHARA and S. FURUHASI)	9
Studies on the Synthetic Nitrogenous Fibers.	On the Form of Sulphur in Soy-bean Protein,	
(Part I) (Syuiku SASAKI and Masato	(Shigeki MORI).	10
Мічанті) 3	On the Additive Reaction of Sodiumbisulphite	
On the Slightly Podzolized Brown Forest Soil	with Crotonaldehyde. (M. HORI)	10
in Teturei Prefecture, North-Manchuria.	On the Chemical Studies of the Baggasse	
(R. KAWASHIMA) 3	Pulp. (8~9). (T. TADOKORO and M.	
Functional Studies on Soils. (47-52).		10
(Misu-Hideo), 3	Functional Studies on Soils. (53~58). (MISU-	
On the Biochemical Properties of the Rice		10
Embryo. (Part 2). (T. TADOKORO and		10
J. Наsнімото) 3	Study of the Insecticidal Principle in the	
On the Biochemical Properties of Tomato	Smoke Produced by Combusting Insect	
		10
and Potato Viruses. (Tetutarô TADOKORO,	On the Amount of Solar Ultra Violet Rays.	
Tuneyuki Saitô and Naomoto Nagao) 4	Special relation between the variation of	
Synthese von Vitamin B ₆ durch Hefe. (Tyoten.	solar ultra violet rays and the types of	
INAGAKI und Kiyoko NAGAO) 4	weathers. (Torataro HANZAWA)	10
On the Metabolism of Organic Acid by Bac-	Synthesis of Bios by Aspergilli, (Nobusada	
teria, V. (S, TADA) 4	Окоті)	12
On the Potentiometric Determination of Chlo-	Untersuchungen über das sogenannte "Glu-	
rine by the Pinkhof System. (Sadaji	conobacter." VI. Mitteilung. Über das	
FURUTANI)	sogenannte ,, Eugluconobacter." (Teijirð	
Studies on Ascorbic Acid. V. The Relation	UYEMURA, Keiji Kondo, und Reizirô Ko-	
between Ascorbic Acid and Thiamin, I.		10
///: 1 ' 1 P		12
(Kichinosuke Fujimura). 5	Biochemical Studies of "Bakanae" Fungus.	

Part 14. Effect of Gibberellin A on Tissue	Studies on Arginase, (IV). On the Purifi-	
Culture. (T. YABUTA and Y. SUMIKI) 12	cation of Beef Liver Arginase and Some	
Studies on Ascorbic Acid. VI. The Relation	Properties of the Purified Arginase, (Matsu-	
between Ascorbic Acid and Thiamin. II.	nosuke KITAGAWA and Masaharu SIRA-	
(Kichinosuke Fujimura) 12	KAWA) 24	
On the Manufacture of Artificial Fibres from	Nutritive Value of Pentosan (IX). Distribu-	
Proteins. (Part I). On the Artficial Fibres	tion of Hardly Soluble Carbohydrates.	
of Peanut Protein. (Masami Oku and	(Hisayoshi Iwata and Ryosuke Kikuchi) 24	
Yutaka Hosokawa). 12	Studies on Ascorbic Acid, VII, The Re-	
Über die quantitative Bestimmung der Pyre-	lation between Ascorbic Acid and Vitamin	
thrine XI. Mitteilung. Über den Pyre-	A. (I). (Kichinosuke Fujimura) 25	
thringehalt des Rauchs von Moskitostäb-	Chemical Studies on Tomato Ring Mosaic	
chen, (Kiyosi WAKAZONO, Keizo HIRA-	Virus I. The Isolation of Crystalline	
OKA, und Sankiti TAKEI) 20	Protein Possessing the General Properties	
On the Alluvial Soil in Kakuritu Prefecture,	of Tomato Ring Mosaic Virus, (Matsu-	
Northeast Manchuria. (R. KAWASHIMA,	nosuke KITAGAWA and Satoru AKUNE) 25	,
M. NAGATA, aud G. TOYAMA) 21	On the slightly Podzolized Brown Forest Soil	
On a slightly Podzolized and Regenerated	in Tonka Prefecture, North Manchuria, (R.	
Brown Forest Soil in Banseki Prefecture,	KAWASHIMA, M. NAGATA, S. TANAKA,	
Central Manchuria (R. KAWASHIMA, M.	and G. TOYAMA)	;
NGATA, S. TANAKA and G. TOYAMA) 21	Butyric Acid Fermentation. (Part I). (Toshi-	
Der Bakterielle Abbau der Aminosäuren. I.	nobu ASAI, Eitaro KOMATSU, and Noboru	
Mitteilung. Der oxydative Abbau der	Міуллі)	;
Aminsäuren durch Bac, proteus vulgaris	Dietary Studies on the Increase of Utilizing	
HAUSER (Teijirô UYEMURA) 21	Value of Northern Farm Animals, IV.	
Study on Alcoholysis, I. The Variation of	On the Fox Feed. (E, TAKAHASHI and	
Reaction Velocity to the Kinds of Alcohol.	К. Shirahama) 26	3
(Hogai KA and Kozo KAWAKAMI) 21	Der bakterielle Abbau der Aminosäuren. II.	
Über die Vitamin-B ₁ Absorption durch Hefe.	Einige Effekte auf die Bildung der oxy-	
(M. ODA und K. NAGAO) 22	dativen Aminosāure-Desaminase in Bac.	
On the Stimulant for Cane Sugar Formation	proteus sulgaris HAUSER. (Teijirô UYE-	
in Plants. (X). (Tetutaro TADOKORO	MURA). 27	7
and Takeshi Sasaki)	Studies on the Manufacture of the Artificial	
On the Biochemichal Properties of Tomato	Baits from Fish-viscera, I. Preliminary	
and Potato Virus. (3). (T. TADOKORO,	Experiments, (Eiichi TANIKAWA and	
T. SAITO, and N. TAKASUGI)	Fumio YAMAZAKI) 24	£
A New Simple Method for the Quantitative	Studies on the Vitamins of Fish Livers. (Part	
Determination of Glycerine (Supplement).	IV.) (Hideo HIGASHI and Shigeo ISEKI) 28	3
(Hogai KA)	On the Vitamin C and Glutathione Contents	
Studies on Methionine and its Derivatives.	of Mulberry Leaves. (K. KATAI) 32	1
(IV). NutritionalE ffect of l-(-)-Methio-	On the Dehydrogenase Action in the Sliced	
nine and its Derivatives for the Albino	Brain Tissue of the Rat. (Tetutaro TA-	
Rat on Cystine-Deficient Diet, especially	DOKORO and Tuneyuki SAITO) 3	1
that of the Oxydative Derivatives Contain-	Untersuchung über Feit und Öle der Getreide-	
ing Sulfur such as (+)-Methionine Sulf-	fenniche. I. Freie Fettsäure. (Tetsujiro	
oxide and (+)-Methionine Sulfone, (Yoshio	OBARA) 3	1
TSUCHIYA)	On the Quantitative Determination of Pyre-	
On Some Properties of the Cane Molasses	- thrine in Mosquito Coils. (Masao Nisili-	
Produced by the Sulphitation Process.	KADO) 3	1
(Voshi Iwata, Shinichi Suzuki, and	On the Acid Fermentation of Aspergillus	
Yutaka Kawat). 24	niger (Part I.) (Kinichiro SAKAGUCHI	
Studien über Denatrierung des Sericin (Seiden-	and Sinitiro BABA) 3	31
leime) V. Mitteilung, '(Z. HIROSE) 24	Separation and Identification of Fatty Acids.	

Part 7. Preparation of Erucahydroxamic	Untersuchungen uber die beziehungen von
and Brassidohydroxamic Acid, and Isola-	Bataten zur Alkoholproduktion, (IV), (Y.
tion on of Pure Erucic Acid. (H. YUKAWA	TAKEDA, K. SUEMATU, und M. UTIKOSI) 46
and Y. INOUYE) 33	Chemical Studies on Agricultural Insecticides.
Studies on Ascorbic Acid, VIII. The Rela-	(Part 3.) On the Component Systems of
tion between Ascorbic Acid and Vitamin	Kerosene Miscible Oil Emulsions Contain-
A. (II). (Kichinosuke Fujimura) 33	ing Soap as Emulsifier. (Chiyoka Mourt
Dietary Studies on the Increase of Utilizing	and Hiroshi NORIMATSU) 46
Value of Northern Farm Animals, V.	Studies on the Yeasts Found in "Miso."
Experiment on Fox with Hydrolyzed Pro-	(Matatoshi Mogr) 47
ducts of Human Hair. (E. TAKAHASHI	Researches on Grounds Wood Pulp, (Part
and K. SHIRAHAMA)	VII). Effect of Grinding Temperature.
On the Synthesis of Aimno Acid-glycosides.	(Yoshitsugu Kimura)
Part I. Synthesis of Tyrosine-N-Glycosides.	On Some Substitutes of Rochelle-salt in
(Y. INOUYE and K. ONODERA) 34	Fehling's Solution. (Masakazu YAMADA
	and Itiro Tamai)
Dehalogenations of the Halogenated Sugar	Researches on Bamboo in Taiwan at a Raw
Alcohols (Part 2~3), Dehalogenation of	
1,6-diiodomannitol by Molecular Silver.	Material for Pulp. (Part VII.) On the
(Vasuji HAMAMURA)	Two Step Cooking of "Keitiku." (Minoru
Chemical Studies on Agricultural Insecticides.	TUTIVA and Yoshiteru KATO)
(Part 1.) On the Capillary Activity and	Dietary Studies on the Increase of Utilizing
Stability to Hard Water of Emulsifiers,	Value of Northern Farm Animals, VI.
(Chiyoka Mouri and Seiichi Izume) 38	On the Effect of Feeding with Hydrolyzed
Untersuchung über Fett und Öle der Getreide-	Products of Human Hair upon Sheen and
fenniche. I. Freie Fettsäuae. (Tetsujiro	Pregnancy of Fox. (E. TAKAHASHI and
OBARA),	К. Shirahama) 48
On the Manufacture of Artificial Fibres from	Studies on the Lactogenic Factor in Soy-
Proteins. (Part II). On the Artificial	beans, VI. The Effect of the Isolated
Fibres of Soy-bean Protein. (Masami OKU	Crystal on Lactation in Rats. (Yosaburo
and Yutaka Hosokawa) 40	IWASA)
Studies on Digestion of Soy-beans (Benzine	Dehalogenations of the Halogenated Sugar
Extracted) as Rice Substitute. (T. CHA-	Alcohols. (Part IV.) Dehalogenation of
CHIN and M. KUBO) 40	1,6-Diiodotetrabenzoyl-sorbitol by Molecular
Studies on the Components of the Bark of	Silver and Zinc with Acetic Acid. (Yasuji
Rhamnus japonica (VI). The Chemical	HAMAMURA)
Structure of a-Sprinin and a-Sprigenin.	On the Production of 2, 3-Butylene Glycoll
(Zirô Nikuni) 41	and Ethylalcohol from Pentose by Fermen-
On the Tannin of the Leaves of Lagerstroemia	tation. (Jiro YANAI) 50
subcostata. (Minoru Isitti) 43	Studies on the Value of Chemicals for Juneus
Untersuchungen von Bataten zur Alkohol-	effusus L. var. decipiens Bucit. IV. On
production. (III). (K. SUEMATU und	the Relative Value of Ammoniac and
М. Uтікозі) 44	Nitric Nitrogen, and also of the Influence
Enzymatic Studies on Exuvial of Bombix	of Manuring Time. (H. SUTOH) 50
Mori L (Silkworm). (Part III). Micro-	Some Comparisons of Estimation Procedure
scopical Observation on Enzymatic Action	of Lignin Bodies in Tundra, (Siniti Honda
at Moulting. (Yasuji HAMAMURA and	2 Tr. C.
Syûsiro Ito)	On the Manufacture of Acetone and Butanol
Chemische Bestandteile des Tees. II. Mittei-	by Fermentation, (1) A Study of the
lung, Theosterin und β-Amyrin, (Yajiro	Acetone-butanol Fermentation of Sweet
Consens	
On the Alkaline Decomposition of Codei-	Potato. (H. OKEDA, N. SOWA, A. WATA-
none and of 1-Bromo-sinomeneine Methio-	NABE, and Y. HASHIMOTO)
	On the Acid Fermentation of Aspergillus niger.
dide. (Kakuji Goto) 45	(Part II.) (Kinichirô SAKAGUCHI and

Similito DABA)	(Kiyosi ASIDA)	63
Blätteralkohol, VI. Mitteilung, Über die	Untersuchungen über Vitamin in zuckerhalti-	
Katalytische 1 Mol. Hydrierung von Hexin-	gen Stoffen (III). Über den Vitamin B6-	
3-ol-1 mittels Platinoxyd. (Sankiti TAKEI	Gehalt von der Spitze des Zuckerrohrs und	
and Minoru ONO) 53	Schlempe, (Tyoten INAGAKI und Kiyoko	
Studies on the Yeasts Found in "Miso."	NAGAO)	62
(Masatoshi Moci) 54	Studies on the Yeasts Found in "Miso,"	
Studies on Methionine and its Derivatives.	(Masatoshi Mogi)	62
(V). Studies on Utilization of Methionine.	Studies on the Oxidation of Amino Acids by	
(1) On the Nutritive Value of Modified	Potassium Chlorate, (Part I). On the	
Milk Powders (Preliminary Experiment).	Oxidation of Glutamic Acid and Amino	24 - R
(2) Use of Methionine in the Preparation	Acid Solution Decomposed from Protein	
of Biscuit (Preliminary Experiment;)	Containing Materials. (Tuneyosi KATUDA)	62
(Yoshio Tsuchtya and Toshi Isobe) 54	Studies on Digestion of Imported Rice. (T.	
Studies an Grape Seed Oil. (Kunio Ishi-	CHACHIN and M. KUBO).	62
MARU) 54	Über die quantitative Bestimmung der Pyre-	
Untersuchungen über die Reziehungen von	thrine, (XII, Mitteilung.) Eine neue	
Bataten zur Alkoholproduktion. (V.) (Y.	Massanalyse der Pyrethrine durch Benzol-	
TAKEDA, K. SUEMATU und M. UTIKOSI) 54	Extraktion (Kiyoshi WAKAZONO, Keizo	· .
Dehalogenations of the Halogenated Sugar	HIRAOKA, und Sankiti TAKEI).	63
Alcohols, (Part V.) The Structure of	Functional Studies-on Soils. (LIX). (MISU-	
Bouchardt's Dichlordulcitol, (Yasuji HAMA	Hideo).	63
MURA) 54	Dehalogenation of the Halogenated Sugar	
On the Chemical Studies of the Baggasse	Alcohols, (Yasuji HAMAMURA),	62
Pulp. (10). (T. TADOKORO and M.	On the Manufacture of Aceton and Butanol	
NISHIDA) 55	by Fermentation, (3). (H. OKEDA, N.	
Distribution of Ascorbic Acid in Plant Mate-	Sowa, A. WATANABE, and Y. HASHI-	
rials of North Nippon, I. (Hisayosi	мото).	76
IWATA, Kyo Ito, and Goro MAESAWA) 55	Studies on the Acid Fermentation by Rhizo-	
Chemical Studies on Agricultural Insecticides.	pus Species. (Part III). Kinichirô SAKA-	
(Part 5). On the Effect of Protective	GUCHI, Toshinobu ASAI, and Hirohisa	
Colloids on the Dispersion of Insecticides	MUNEKATA)	67
and Fungicides in Water. (Chiyoka NOURI	Der bakterielle Abbau der Aminosäuren,	
and Hiroshi NORIMATSU) 56	III. Mitteilung. (Teijiro UYEMURA)	68
On the Manufacture of Acetone and Butanol	Grundlegende Untersuchungen über der Fixie-	
by Fermentation. (2). (H. OKEDA, N.	rung des Sericins. (6 Mitteilung) (Ziro	
Sowa, A. WATANABE, and Y. HASHI-	HIROSE).	68
мото) 56	Production of Mono-propen-1-ol-3-phosphoric	
Untersuchungen über Verwitterung der Erup-	Acid by Aspergillus niger, (Sinitiro	
tivgesteine. VIII. Neue Farbenreaktionen.	BABA).	68
(Mituru HARADA) 57	Untersuchungen über die Beziehungen von	
Studies on the Components of the Bark of	Bataten zur Alkoholprodukten, (VI.) (K.	
Rhamnus japonica (VII). The Chemical .	SUEMATU, M. UTIKOSI und T. MATUMURA)	69
Characters of the Lactone Ring of & Sorinin	On the Manufacture of Acetone and Butanol	
and its Derivatives, (Zirô Nikuni) 59	by Fermentation. (4). (H. OKEDA, N.	
Studies on the Acid Fermentation by Ryizopus	Sowa, A. WATANABE, and Y. HASIMOTO)	69
Species. (Part II.) (Kinichirô SAKAGUCHI,	Comparative Study on Chemical Compositions	
Toshinobu Asar, and Hirohisa Mune-	of Different Parts of of Soy Beans. (Kenzo	
ката) 60	NAKAJIMA and Seiiti SAKUTADA)	69
Bestandteile der Fettsäuren des Zuckerrohr-	Studies on the Industrial Hydrolysis of Whale	
wachses (Zuckerrohrwachs, VIII, Mittei-	Meal. (Osamu KITAYAMA)	70
lung.) (T. MITUI und J. MATUDA), 61	Colloid-Chemical Studies on the Solub'e Algi-	
Synthesis of Vitamin B ₁ by Microbes, 1.	nate (II.) Soluble Alginate as a Protect-	
Distriction of the state of the state of the		

ing Costoid, (Noboru Suzuki), 70	Studies on the Yeasts Found in "Miso."
Studies on Digestion of Imported Rice. (II).	(Masatoshi Mogi) 77
(T. CHACHIN and M. KUBO) 71	On the Manufacture of Acetone and Butanol
On the Composition of Forest Humus Layer	by Fermentation. (5). (H. OKEDA, N.
(H. Rayer). (R. KAWASHIMA, M. NAGA-	SOWA, A. WATANABE, and Y. HASHI-
TA and G. SUYAMA) 71	мото) 77
Functional Studies on Soils. (LX). (MISU-	Studies on Acetone-Butylalcohol Fermenta-
Hideo) 71	tion. IV. Accessory Factors for Growth
The Influence of Copper Sulphate Solution,	and Fermentation. (5). (Sigeyosi HORIE) 78
upon the Basal Metabolism of White Rat.	Untersuchungen über die Saccharase von
(Tetutaro TADOKORO and Jizo HASHI-	Zuckerrohr. I. Mitteilung. Über die Sacch-
мото)	arase in den Blättern des Zuckerrohrs.
Separation and Identification of Fatty Acids.	(Minoru Fuju) 78
Part 8. Preparation of Ricinoleo and	Grundlegende Untersuchungen über die Fixie-
Ricinoelaido-hydroxamic Acid and Pure	rung des Sericins. (7 Mitteilung) (Ziro
Ricinoleic Acid. (H. YUKAWA and Y.	HIROSE)
INOUYE),	
	The Influence of Steam-heating Process upon
Microbiological Studies on Meat and Meat	the Water Soluble Protein in Soya Bean in
Products. Part I. Classification of the	the Round Cake Pressing Method. (Ri-
Proteolytic Bacteria Isolated from Sausages.	shichi Tanaka)
(Yuji Sasaki and Masayuki Nakane) 72	Über die Synthese von α-Naphthylessigsäure
On Soil-microorganisms in China. (I). Occur-	(Teijiro Yabuta, Kinjiro Tamari, Sinji
rence of Azotobacter in North China and	MITSUNAGA und Toschihide KUNIMUNE) 7
Inner Mongolia (Kinsi Suminoe)	On Inulinase, Amylase, and Urease in Yeast.
Chemical Researches on the Utilisation of	Motoyoshi Hongo)
the Tropical Forest Products. Part I.	Butyric Acid Fermentation. (II). (Toshi-
Studies of Pulping of Wattle Wood. (M.	nobu Asat and Eitaro Komatsu) 79
SHIKATA, I. TACHI, Y. KIMURA, and Y.	Chemical Studies on the Tyosen Cattle. (Part
OKADA)	I). On Physical and Chemical Properties
Chemische Bestimmung von Vitamin B2 in	of the Body Fat of Fattened Tyosen Cows.
Hefe. (Makato ODA)	(Norihide Ando),
On the Amylase of Rhizopus Species (Toshi-	Untersuchung über die Synthesen der Phos-
nobu Asar and Shinitiro Matsumoto) 74	phatiden und ihrer verwandten Verbind-
Chemical Researches on the Dyeing of	ungen, Mitteilung III, Darstellung des
"Oshima-Tsumugi." Part II. On the	Trimethylaminhydrochlorides. (Yataro
Dyeing Tannins from Rhapiolepsis Um-	Овата) 83
· bellata. (Kotaro NISHIDA) 74	Untersuchungen über die Synthesen der Phos-
On a New Polypeptide Isolated from Eisenia	phatiden und ihre verwandten Verbindun-
Bicyclis. (Part IV.) A Study of the	gen. Mitt. IV. Synthese von β-Brom-
Chemical Structure of Eisenin. (3) (Toshi-	cholinsalz. (Yataro OBATA) 81
hiko OOMIRA) 74	On the Estimation of Vitamin B2. (T. Ko-
Studies on the Synthetic Nitrogeneous Fibres.	YANAGI, O. HUJII, and Bukiti KIKUTI) 82
(Part 2). (Shuiku SASAKI and Masato	Studies on the Manufacture of Organic Acids
Міулиті) 76	(Parts 1~2) (Y. INOUYE, M. HAMADA,
Der Bakterielle Abbau der Aminosärren. IV.	and E. INOUVE).
Mitteilung. (Teijiro UYEMURA) 76	Studies on the Manufacture of Organic Acids.
On the Manufacture of Artificial Fibres from	Part 3. Fumaric Acid from Furfural. (Y.
Proteins. (Part III). On the Problem of	
Increasing the Wet-strength of the Fibre.	On the Acid Fermentation by Aspergillus
(Masami OKU and Yutaka Hosokawa) 76	
Study of the Insecticidal Principle in the	niger, A Supplement to Part 1. (Kinichiro
Smoke Produced by Combusting Insect	SAKAGUCHI and Sinitiro BABA)
	Studies on the Determination of Vitamin B ₂
Powder: (Part IX.) (Makoto NAGASE) 77	(Lactoflavin) in Various Food Materials.

(Ryusaku Hosino, Mituo Fujita, and Hisasi Ariyama).	86	(11) (Tetut and Masao N
Über die Synthese von Chinolinsäuremethyl-	00	Untersuchungen
		1
betainathylester, das Isomer des ,, Fermen-		Bataten zur
tation-Auxin " (sogenannt von Herrn		(K. SUEMATU
Ootsu), und Prüfung auf ihr gährungför-		MURA)
derndes Vermögen. (Teijiro YABUTA und		On the Acid
Kinjiro Tamari).	86	niger, Part I
Über die Verhinderung der Keimung der		Glutaric and C
Kartoffel durch die Wirkung einer auxin-		from l-Xylose
āhnlichen Substanz, (Teijiro YABUTA und		ichiro Sakagi
Kinjiro Tamari)	86	On the Acid
Classification of Coli-aerogenes Group. (I)		niger. Part
(Seiji TADA).	86	Classification of
On the Contents of Vitamin C of Harbaceous		(Y. TADA).
Plants in Spring. (Hisayosi Iwata and		Studies on Seed
Syoji TIBA)	87	I. Influence
On the Influence of Some Inorganic Catalys-		. Chlorides on
ers upon the Carbondioxide Production of		Rice, II, I
White Rats. (Tetutaro TADOKORO, Tune-		Alkyl Mercur
yuki SAITO, and Jizo HASIMOTO)	87	and Bacteria.
On the Fixation of Sericin of Raw Silk.		TANI)
(Part VIII). Ageing Phenomenon of Seri-		On the Seeds of
cin-fixed Cocoon Fibres. (Masami Oku,		and Mohatiro
· Tuneo Kurasawa, and Hitosi Hujimoto)	87	On the Influen
On the Fixation of Sericin of Raw Silk.		changeable L
(Part IX). Effect of Finishing Chemicals		of Forest Tre
upon Fixation Degrees. (Masami Oku		SHIMA)
and Tuneo Kurasawa)	87	, On the Dehydro
On the Studies of Diastase, I. (Toyosaku	07	Brain Tissue
MINAGAWA, Tetuiti KATAOKA, Sadatosi		TADOKORO ar
HAYAKAWA, and Kenitiro Fukuma)	97	Studien über d
	87	peroxyds im
Enzymatic Studies on Cereals. (Part XV.)		Уамаријі, М
On the Maltase in Rice. (Gohei YAMA-	- 00	On the Studies
GISI).	88	MINAGAWA,
Aufschluss von Baggasse mit Ca-Sulfitverfah-		Наулкама а
ren. (M. SIKATA, I. TATI und N. URA-		, intractive a
NO)	88	
Diamino Sugars and their Filament Forma-		
tion Ability. Preliminary Report. 1, 6-		
Diamino 2. 3, 4, 5-Dimethylene-mannitol.		
(Yasuji HAMAMURA and Minoru OKUTA)	88	
On the Influence of Soil Acidity and Ex-		
changeable Lime Content for the Growth	1.0	4 1 7 7 7
of Forest Trees. (Part II). (R. KAWA-		
SHIMA and, G. SUYAMA)	89	
Manufacture of Acetone and Butanol by		
Fermentation. (3). (Ryuiti HATTORI)	89	
Carbohydrates in Proteins, Parts 1~2.		
1. Estimation of Carbohydrate in Silk.		
2. Isolation of a Glucoside from Silk. (Y.		
INOUYE and Y. Kudo).	89	
O- 41 - Cl - in-1 Ctudies on Possess Pul-		

(11) (Tetutaro TADOKORO, Take SASAKI, and Masao NISIDA)	92
Untersuchungen über die Beziehungen von	
Bataten zur Alkoholprodukten. (V.II).	
(K. SUEMATU, M. UTIKOSI und T. MATU-	
MURA).	92
On the Acid Fermentation of Aspergillus	
niger. Part III. The Formation of Citric,	
Glutaric and Glutaconic Acid and Mannitol	
from l-Xylose, (Sinitiro BABA and Kin-	
ichiro Sakaguchi).	93
On the Acid Fermentation of Aspergillus	
niger. Part IV. (Kinitiro BABA)	95
Classification of Coli-aerogenes Group (II)	0.5
(Y. TADA). Studies on Seed Disinfection. (Part 1~2).	95
I. Influence of C ₁ ~C ₅ Alkyl Mercuric	
Chlorides on the Germination of Unhulled	
Rice. II. Disinfecting Action of C ₁ ~C ₅	
Alkyl Mercuric Chlorides on Certain Fungi	
and Bacteria. (Y. INOUYE and G. SHIN-	
TANI).	96
On the Seeds of "Sasa," (Hisayosi IWATA	
and Mohatiro NAKAZIMA)	97
On the Influence of Soil Acidity and Ex-	
changeable Lime Content for the Growth	
of Forest Trees (Part III). (R. KAWA-	
SHIMA).	97
On the Dehydrogenase Action in the Sliced	
Brain Tissue of the Rat. 2. (Tetutaro	
TADOKORO and Haruzo HASIMOTO)	97
Studien über die Bildung des Wasserstoff-	
peroxyds im lebenden Organismus. (K.	00
YAMAFUJI, M. FUJII und F. YOSHIHARA)	98
On the Studies of Diastase, II. (Toyosaku Minagawa, Tetuiti Kataoka, Sadatosi	
HAYAKAWA and Kenitiro Fukuwa)	98
and remind London.	00